

FIG. 2 is a perspective view showing a connection state between focusing electrodes of an electron gun and a shield electrode according to the first preferred exemplary embodiment of the present invention;

FIG. 3 is a perspective view showing a connection state between focusing electrodes of an electron gun and a shield electrode according to a second preferred exemplary embodiment of the present invention;

FIG. 4 is a perspective view showing a connection state between focusing electrodes of an electron gun and a shield electrode according to a third preferred exemplary embodiment of the present invention;

FIG. 5 is a perspective view showing a connection state between focusing electrodes of an electron gun and a shield electrode according to a fourth preferred exemplary embodiment of the present invention;

FIGs. 6a, 6b, and 6c show different configurations of an opening of a shield electrode according to a preferred exemplary embodiment of the present invention; and

FIG. 7 is an enlarged, partial sectional view of a neck of a conventional projection type CRT.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Exemplary preferred embodiments of the present invention will now be described in detail with reference to the accompanying drawings.

FIG. 1 is an enlarged, partial sectional view of a neck of a cathode ray tube according to a preferred exemplary embodiment of the present invention.

An electron gun 20 that emits electron beams is mounted within a neck

by being fixedly mounted to the support through protrusions integrally formed to the shield electrode.

According to still yet another feature of the present invention, the shield electrode is fixedly mounted to the support through protrusions integrally formed to the shield electrode.

According to still yet another feature of the present invention, the cathode emits a single electron beam.

The cathode ray tube includes the electron gun; a neck, within which the electron gun is mounted; and a scanning velocity modulation coil mounted on an outer circumference of the neck corresponding to the positioning of the gap(s) of the focusing electrodes.

According to a feature of the present invention, the cathode ray tube is a projection-type cathode ray tube, in which a single electron beam is emitted from the cathode.

BRIEF DESCRIPTION OF THE DRAWINGS

The accompanying drawings, which are incorporated in and constitute a part of the specification, illustrate an exemplary embodiment of the invention, and, together with the description, serve to explain the principles of the invention:

FIG. 1 is an enlarged, partial sectional view of a neck of a cathode ray tube according to a first preferred exemplary embodiment of the present invention;